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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/735,944	12/14/2000	Menno Spijker	10375-US	8083

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EXAMINER

CHANG, EDITH M

ART UNIT	PAPER NUMBER
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2637

11

DATE MAILED: 08/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/735,944

Applicant(s)

SPIJKER ET AL.

Examiner

Edith M Chang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 June 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3, 5-15 and 18-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☒ Claim(s) 1-3, 5-15, 18-21 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Objections

1. Claims 1-3, 5-15 and 18-21 are objected to because of the following informalities:

Claim 1, line 11: the term “local SRTS generator” is suggested changing to “local Synchronous Residual Time Stamps generator”, as SRTS first time appears in the claim to spell out it;

line 17, “in line rate mode” is suggested changing to “in a line rate mode”.

Claim 2, the term “the fill level” is suggested changing to “a fill level”.

Claim 5, “said SRTS and line rate modes” is suggested changing to “said SRTS mode and said line rate mode”.

Claim 8, the term “up/down” is suggested changing to “common up/down counter” and “in SRTS mode or line rate mode” is suggested changing to “in said SRTS mode or said line rate mode”.

Claim 9, “said up/down counter” is suggested changing to “said common up/down counter”.

Claim 14, “into holdover mold” is suggested changing to “into a holdover mode”.

Claim 15, “into holdover mode” is suggested changing to “into a holdover mode”, “receiver buffer” ” is suggested changing to “the receiver buffer”, and “a line rate mode” ” is suggested changing to “the line rate mode”.

Claim 18, the last two lines: “that is added to said difference” ” is suggested changing to “that the output of said up/down counter is added to said difference.”

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Claim 19, “the current time stamps with the previous time stamps” ” is suggested changing to “the current time stamps of said first input and said second input with the previous time stamps of said first input and said second input”.

Claims 3, 6-7, 10-13, and 20-21 are directly or indirectly dependent on the objected independent claims 1, 18, and 19.

Appropriate corrections are required.

Allowable Subject Matter

2. Claims 1-2, 5, 8-9, 14-25, and 18-19 are objected to informality, but would be allowable if rewritten to overcome the objections.

3. Claims 3, 6-7, 10-13, and 20-21 are objected as being dependent upon objected base claims, but would be allowable if the objected base claims overcome the objections.

4. The following is a statement of reasons for the indication of allowable subject matter:

Claim 1 is allowable over prior art of record because the prior art of record does not teach or suggest, alone or in a combination, among other things, at least a multimode clock recovery circuit as a whole, the combination of elements and features as claimed, which includes a phase detector having multiple inputs compares an input signal applied to any of said multiple inputs with the output signal to develop the phase signal, and a local SRTS generator for generating time stamps from the output signal connected to one of said multiple inputs of said phase detector.

Claim 18 is allowable over prior art of record because the prior art of record does not teach or suggest, alone or in a combination, among other things, at least a multimode clock

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recovery circuit as a whole, the combination of elements and features as claimed, which includes a phase detector, a loop filter receiving the output of said phase detector having multiple inputs, a digital controlled oscillator receiving the output of said loop filter, a jitter reduction circuit receiving the output of the digital controlled oscillator, a divider receiving the output of said jitter reduction circuit, and a local SRTS generator in a feedback loop connected to one of said multiple inputs of said phase detector, and the phase signal is developed from the difference between the time stamps receive from the local SRTS generator and received over said cell relay network wherein the difference adds with the output of up/down counter as recited in the claim.

Claim 19 is allowable over prior art of record because the prior art of record does not teach or suggest, alone or in a combination, among other things, at least a phase detector for recovering clock signals as a whole, the combination of elements and features as claimed, which includes comparators for comparing the current time stamps with the previous time stamps of the first and second inputs, a up/down counter receiving the outputs of the comparators, a subtractor for deriving the difference said remote time stamp and said locally generated time stamps, and an accumulator for adding the outputs of said subtractor to the output of said up/down counter as cited in the claim.

Conclusion

5. This application is in condition for allowance except for the following formal matters: as listed in the paragraph 1.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

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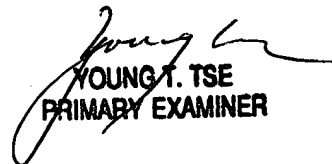
A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edith M Chang whose telephone number is 571-272-3041. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jayanti Patel can be reached on 571-272-2988. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Edith Chang
August 11, 2004


YOUNG T. TSE
PRIMARY EXAMINER